Name of work: Improvements to Roads and Drains in Thindlu colony, Narasimpura layout, Kuvempu Nagara and surrounding area in ward No. 09

		Estimate Cost Rs.							6500000.00
Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
1	Removing and resetting footpath slab (P.no.256,I no.37.56 of pw, P&IWTDd SR 2018/19)	Sqm							
	Desilting of Drains								
	Narasimpura 1st Stage main Road		2	90.00		0.30	54.00		
	Narasimpura 2nd Stage main Road		2	120.00		0.35	84.00		
	Narasimpura 4th main Road 1st Stage RHS		2	120.00		0.30	72.00		
	Narasimpura 5th main Road 1st Stage RHS		2	110.00		0.35	77.00		
	Narasimpura 5th main Road 1st Stage LHS		2	40.00		0.25	20.00		
	Narasimpura 6th main Road 1st Stage RHS		2	70.00		0.30	42.00		
	Narasimpura 6th main Road 1st Stage LHS		2	90.00		0.35	63.00		
	Narasimpura 10th Main Road 2nd Stage		2	120.00		0.35	84.00		
	Narasimpura 11th Main Road 2nd Stage		2	130.00		0.30	78.00		
	Narasimpura 9th Main Road 2nd Stage RHS		2	50.00		0.25	25.00		
	Narasimpura 9th Main Road 2nd Stage LHS		2	120.00		0.30	72.00		
	Narasimpura 8th main Road 2nd stage RHS		2	90.00		0.35	63.00		
	Narasimpura 8th main Road 2nd stage LHS		2	120.00		0.30	72.00		
	HMT layout 6th block 1st main (Durgaparmeshwari Road)		2	230.00		0.30	138.00		
	HMT layout 6th block 3rd main road		2	200.00		0.30	120.00		
	HMT layout 6th block 6th main road		2	80.00		0.35	56.00		
							1120.00	**208.82**	**233878.00**
	Basic Rate	197.00							
	Area Weightage @ 6%	11.82							
	Total	**208.82**							
2	KSRRB M500-10. Tack Coat:- Providing and applying **tack coat** using 80/100 grade bitumen (VG 10) in boiler fitted with spray set distributor at the rate of 0.20 kg per sqm on the existing prepared bituminous surface cleaned with mechancial broom. complete as per specifications. MORTH Specification No. 503 (P-159, Item.no 21.10).	**Sqm**							
	Narasimpura 1st Stage main Road		1	90.00	9.00		810.00		
	Narasimpura 2nd Stage main Road		1	120.00	9.00		1080.00		
	Narasimpura 4th main Road 1st Stage RHS		1	120.00	7.00		840.00		
	Narasimpura 5th main Road 1st Stage RHS		1	110.00	7.00		770.00		
	Narasimpura 5th main Road 1st Stage LHS		1	40.00	7.00		280.00		
	Narasimpura 6th main Road 1st Stage RHS		1	70.00	7.00		490.00		
	Narasimpura 6th main Road 1st Stage LHS		1	90.00	7.00		630.00		
	Narasimpura 10th Main Road 2nd Stage		1	120.00	7.00		840.00		
	Narasimpura 11th Main Road 2nd Stage		1	130.00	7.00		910.00		
	Narasimpura 9th Main Road 2nd Stage RHS		1	50.00	7.00		350.00		
	Narasimpura 9th Main Road 2nd Stage LHS		1	120.00	7.00		840.00		
	Narasimpura 8th main Road 2nd stage RHS		1	90.00	7.00		630.00		

	Narasimpura 8th main Road 2nd stage LHS		1	120.00	7.00		840.00		
	HMT layout 6th block 1st main (Durgaparmeshwari Road)		1	230.00	6.00		1380.00		
	HMT layout 6th block 3rd main road		1	200.00	5.00		1000.00		
	HMT layout 6th block 6th main road		1	80.00	5.00		400.00		
							12090.00	**12.72**	**153785.00**
	Basic Rate	12.00							
	Area Weightage @ 6%	0.72							
	Total	**12.72**							
3	KSRRB M500-19: providing and laying **bituminous concrete** 40mm thick with 100-120 TPH batch type hot mix plant producing an average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with bituminous binder at 5.4 to 5.6% of mix and filler, transporting the hot mix to work site, laying with hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem roller to achieve the desire compaction as per MORTH specification clause No. 500.9 complete In all respects as per specifications. MORTH specification 30-45mm compacted thicikness (GradingII) With 6% bitumen 80/100, No. 161/ Item No. 21.22.1/ PWD SR 2018-19	**Cum**							
	Narasimpura 1st Stage main Road		1	90.00	9.00	0.04	32.40		
	Narasimpura 2nd Stage main Road		1	120.00	9.00	0.04	43.20		
	Narasimpura 4th main Road 1st Stage RHS		1	120.00	7.00	0.04	33.60		
	Narasimpura 5th main Road 1st Stage RHS		1	110.00	7.00	0.04	30.80		
	Narasimpura 5th main Road 1st Stage LHS		1	40.00	7.00	0.04	11.20		
	Narasimpura 6th main Road 1st Stage RHS		1	70.00	7.00	0.04	19.60		
	Narasimpura 6th main Road 1st Stage LHS		1	90.00	7.00	0.04	25.20		
	Narasimpura 10th Main Road 2nd Stage		1	120.00	7.00	0.04	33.60		
	Narasimpura 11th Main Road 2nd Stage		1	130.00	7.00	0.04	36.40		
	Narasimpura 9th Main Road 2nd Stage RHS		1	50.00	7.00	0.04	14.00		
	Narasimpura 9th Main Road 2nd Stage LHS		1	120.00	7.00	0.04	33.60		
	Narasimpura 8th main Road 2nd stage RHS		1	90.00	7.00	0.04	25.20		
	Narasimpura 8th main Road 2nd stage LHS		1	120.00	7.00	0.04	33.60		
	HMT layout 6th block 1st main (Durgaparmeshwari Road)		1	230.00	5.00	0.04	46.00		
	HMT layout 6th block 3rd main road		1	200.00	5.00	0.04	40.00		
	HMT layout 6th block 6th main road		1	80.00	5.00	0.04	16.00		
							474.40		
	For profile correction (8% of total quantity)						**37.95**		
							512.35	**8869.02**	**4544060.00**
	Basic Rate	8367.00							
	Area Weightage @ 6%	502.02							
	Total	**8869.02**							

4	KSRRB M800-13. Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. MORTH Specification No. 803 (Page No 181., I.No.24.15 of KPWD S.R 2015-16).	Sqm							
	Narasimpura 1st Stage main Road		2.5	90.00		0.10	22.50		
	Narasimpura 2nd Stage main Road		2.5	120.00		0.10	30.00		
	Narasimpura 4th main Road 1st Stage RHS		2.5	120.00		0.10	30.00		
	Narasimpura 5th main Road 1st Stage RHS		2.5	110.00		0.10	27.50		
	Narasimpura 5th main Road 1st Stage LHS		2.5	40.00		0.10	10.00		
	Narasimpura 6th main Road 1st Stage RHS		2.5	70.00		0.10	17.50		
	Narasimpura 6th main Road 1st Stage LHS		2.5	90.00		0.10	22.50		
	Narasimpura 10th Main Road 2nd Stage		2.5	120.00		0.10	30.00		
	Narasimpura 11th Main Road 2nd Stage		2.5	130.00		0.10	32.50		
	Narasimpura 9th Main Road 2nd Stage RHS		2.5	50.00		0.10	12.50		
	Narasimpura 9th Main Road 2nd Stage LHS		2.5	120.00		0.10	30.00		
	Narasimpura 8th main Road 2nd stage RHS		2.5	90.00		0.10	22.50		
	Narasimpura 8th main Road 2nd stage LHS		2.5	120.00		0.10	30.00		
	HMT layout 6th block 1st main (Durgaparmeshwari Road)		2.5	230.00		0.10	57.50		
	HMT layout 6th block 3rd main road		2.5	200.00		0.10	50.00		
	HMT layout 6th block 6th main road		2.5	80.00		0.10	20.00		
							445.00	**454.74**	**202359.00**
	Basic Rate	429.00							
	Area Weightage @ 6%	25.74							
	Total	**454.74**							
5	KSRB 15-17.6: Providing and applying painting two coats (excluding priming coat) on new wood surface and / or wood based surface with **enamel paint** to give an even shade, cleaning the surface of all dirt, dust and foreign matter, sand papering including cost of materials, labour, complete as per specifications.Page No. 121/ Item No. 15.60.1 / PWD SR 2018-19	**Sqm**							
	Narasimpura 1st Stage main Road		2	90.00		0.30	54.00		
	Narasimpura 2nd Stage main Road		2	120.00		0.30	72.00		
	Narasimpura 4th main Road 1st Stage RHS		2	120.00		0.30	72.00		
	Narasimpura 5th main Road 1st Stage RHS		2	110.00		0.30	66.00		
	Narasimpura 5th main Road 1st Stage LHS		2	40.00		0.30	24.00		
	Narasimpura 6th main Road 1st Stage RHS		2	70.00		0.30	42.00		
	Narasimpura 6th main Road 1st Stage LHS		2	90.00		0.30	54.00		
	Narasimpura 10th Main Road 2nd Stage		2	120.00		0.30	72.00		
	Narasimpura 11th Main Road 2nd Stage		2	130.00		0.30	78.00		
	Narasimpura 9th Main Road 2nd Stage RHS		2	50.00		0.30	30.00		
	Narasimpura 9th Main Road 2nd Stage LHS		2	120.00		0.30	72.00		
	Narasimpura 8th main Road 2nd stage RHS		2	90.00		0.30	54.00		
	Narasimpura 8th main Road 2nd stage LHS		2	120.00		0.30	72.00		
							762.00	**65.72**	**50079.00**

	Basic Rate	62.00							
	Area Weightage @ 6%	3.72							
	Total	**65.72**							
6	Dismantling cement concrete flooring or plain cement concrete work including removing and conveying the debris to distance upto 200 m (within average thickness of 15 cms), No. 270 Item No. 37.51 PWD SR 2018-19	Sqm							
	Narasimpura layout 3rd Cross		1	47.00	7.00		329.00		
							329.00	**91.16**	**29992.00**
	Basic Rate	86.00							
	Area Weightage @ 6%	5.16							
	Total	**91.16**							
7	KSRRB M300-59.2: loosening, leveling and compacting original ground supporting embankment to facilitate placement of first layer of embankment, scarified to a depth of 150mm, mixed with water at OMC and then compacted by rolling so as to achieve minimum dry density as given in table 300-2 for embankment construction, complete as per specifications, case-II: compacting original ground supporting embankment, (which includes watering charges & compaction by vibratory roller) MORTH specification No. 3.5.3.4 Page No. 146. Item No. 19.66/ PWD SR 2018-19	**Sqm**							
	Narasimpura layout 3rd Cross		1	47.00	7.00		329.00		
							329.00	**24.38**	**8021.00**
	Basic Rate	23.00							
	Area Weightage @ 6%	1.38							
	Total	**24.38**							
8	KSRB-4-1.3 : Providing and laying in position plain cement concrete of mix M 1:4:8 withOPC cement at 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @0.57cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2, No. 13/ Item No. 4.3/ PWD SR 2018-19	**Cum**							
	Narasimpura layout 3rd Cross		1	47.00	7.00	0.15	49.35		
							49.35	**5408.12**	**266891.00**
	Basic Rate	5102.00							
	Area Weightage @ 6%	306.12							
	Total	**5408.12**							

9	Constructing un-reienforced palne cemetn conctere for pavements using rate concrete M30 Over a prepared base with OPC course aggregate at 0.69cum fine aggregates at 0.64cum course anf fine aggregate confirming to IS:383:2016 with super plasticizers at 3mte of its confirming IS:9103-2008. Item no22.6 page no-175	Cum							
	Narasimpura layout 3rd Cross		1	47.00	7.00	0.10	32.90		
							32.90	**5210.96**	**171441.00**
	Basic Rate	4916.00							
	Area Weightage @ 6%	294.96							
	Total	**5210.96**							
10	KSRRB M2600-3: (ii) Providing & fixing 20 mm thick compressible fibre board in expansion joint complete as per drawing & technical specification complete as per specifications, MORTH specification No. 2605, No. 233/ Item No. 31.3 PWD SR 2015-16	M							
	Narasimpura layout 3rd Cross		6	7.00			42.00		
							42.00	**135.68**	**5699.00**
	Basic Rate	128.00							
	Area Weightage @ 6%	7.68							
	Total	**135.68**							
11	Vaccum De- writing with vaccum pump and suction mat and compaction with skin flater clubbed with floatiog disc including cost of generator, HOM of machinery Sereed Vibratory Power Floaterblade and diisc etc. with all lead and lift No. 171/ Item No. 22.7/ PWD SR 2018-19	Sqm							
	Narasimpura layout 3rd Cross		1	47.00	7.00		329.00		
							329.00	**72.08**	**23714.00**
	Basic Rate	68.00							
	Area Weightage @ 6%	4.08							
	Total	**72.08**							
							Grand Total		**5689919.00**
12	For 12% Applicable GST								**682790.00**
13	For 2% PMC Charges								**113798.00**
14	Miscesallaneous Charges	L/S							**13493.00**
									6500000.00

Technical Sanction
Accorded For RS.6.5 :cofaechenly
Head of A/C P3409
CER NO : 313 **Dt:** 07.03.2019

TA CE (YNK)